

FEB 19 1982

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U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

FP-92  
PENETRANT

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

LIQUID SYSTEMS  
Grade 4

## SECTION I

MANUFACTURER'S NAME <b>MET-L-CHEK COMPANY</b>		EMERGENCY TELEPHONE NO. <b>213-394-0222</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>1639 Euclid St., Santa Monica, CA 90404</b>		
CHEMICAL NAME AND SYNONYMS <b>NA</b>	TRADE NAME AND SYNONYMS <b>FP-92 PENETRANT</b>	
CHEMICAL FAMILY <b>NA</b>	FORMULA <b>NA</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NONE					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	<b>417 F</b>	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<b>0.87</b>
VAPOR PRESSURE (mm Hg.)	<b>1</b>	PERCENT VOLATILE BY VOLUME (%)	<b>about 60</b>
VAPOR DENSITY (AIR=1)	<b>about 6.7</b>	EVAPORATION RATE (_____ =1)	<b>Unknown</b>
SOLUBILITY IN WATER	<b>emulsifiable</b>		
APPEARANCE AND ODOR <b>light greenish yellow liquid, pleasant odor</b>			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	<b>over 200 F (COC)</b>	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	<b>foam, CO<sub>2</sub>, dry chemical, water fog</b>			
SPECIAL FIRE FIGHTING PROCEDURES	<b>NONE</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>NONE</b>				

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## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

200 PPM (suggested)

EFFECTS OF OVEREXPOSURE

May cause signs and symptoms of central nervous system depression such as headache, dizziness, loss of appetite and weakness.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air, maintain respiration

Eyes: Flush with plenty of water

Skin: Remove by wiping, wash with soap and water

## SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

Keep away from sparks or open flames.

INCOMPATIBILITY (Materials to avoid)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Incomplete combustion will release CO

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove sources of ignition. Avoid prolonged breathing of vapors. Avoid contact with skin and eyes.

WASTE DISPOSAL METHOD

Treat as any inflammable liquid. Haul away for safe outdoor disposal, or haul away by oil reclaimers. Use oil sewer if available.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None under proper conditions of use.

VENTILATION

LOCAL EXHAUST

When material is sprayed

SPECIAL

MECHANICAL (General)

As required to maintain TLV

OTHER

PROTECTIVE GLOVES

None

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

None

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store out of direct rays of sun. Do not expose to fire.

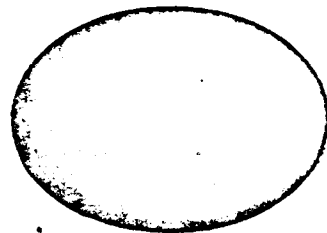
OTHER PRECAUTIONS

Keep containers closed and clearly labeled.



## TURCO PRODUCTS

DIVISION OF PUREX CORPORATION, LTD



February 18, 1977

Mr. M. J. Veneroso  
Dept. C1-726 (52-11)  
Materials Handling & Packaging Engineering  
Douglas Aircraft Company  
3855 Lakewood Blvd.  
Long Beach, Calif. 90846

Dear Sir:

The following products are listed as flammable liquid N.O.S.  
and classified as flammable liquid. They are:

<i>JPM 991</i> - Prepaint (L-693 Cleaner)	A0968	60°F. TCC
<i>JPM 1507-2</i> - Fabrifilm	A1754	50°F. Seta Flash
<i>JPM 3715</i> - Pretreat	A1780	40°F. TCC

The following products are non-hazardous:

Turco 4215-LT Additive	A2059 - <i>DPM 2776-L</i>
Fluro-Chek WP-100 MD	
Penetrant	A1667 - <i>QPL 1908</i>
LAC 598 Bubble Fluid	A1755 - <i>DPM 290</i>
Turco 4090 Cleaner	A0212 - <i>DPM 980</i>
Turco HTC Cleaner	A0244 - <i>DPM 3285</i>

Very truly yours,

TURCO PRODUCTS DIVISION  
PUREX CORPORATION

*Gregory C. Caudel*  
Gregory C. Caudel  
Distribution Manager

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